

Rabbit anti-Human, Mouse SYNPO2 Polyclonal Antibody | anti-SYNPO2 antibody

SYNPO2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301767	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SYNPO2; Polyclonal Antibody; SYNPO2 Antibody; Synaptopodin 2; myopodin; anti-SYNPO2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1261
Applicable Applications for anti-SYNPO2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 20 amino acid peptide near the amino terminus of human SYNPO2.
Target Name	SYNPO2
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SYNPO2 in mouse skeletal muscle tissue with SYNPO2 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of SYNPO2 in human skeletal muscle tissue lysate with SYNPO2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SYNPO2 antibody

SYNPO2 was initially identified as myopodin, a member of the synaptopodin family that contains one PPXY motif and multiple PXXP motifs. It colocalizes with alpha-actinin and is found at the Z-disc and during stress conditions will translocate to the nucleus, suggesting that it is part of signaling pathways in addition to its function as a structural protein. SYNPO2 has been shown to bind to calmodulin, alpha-actinin, and smooth muscle myosin and will stimulate actin polymerization in a calmodulin dependent manner, consistent with its proposed role in organizing the cytoskeleton. While deletion of SYNPO2 has been reported to be highly correlated with the invasiveness of prostate cancers, other reports suggest that down-regulation of SYNPO2 reduces the invasiveness and motility of prostate cancer cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	193083183
NCBI GeneID	171024
NCBI Accession #	NP_597734
NCBI GenBank Nucleotide #	NM_133477.2
Molecular Weight	133,081 Da
NCBI Official Full Name	synaptopodin-2 isoform a
NCBI Official Synonym Full Names	synaptopodin 2
NCBI Official Symbol	SYNPO2
NCBI Protein Information	synaptopodin-2
UniProt Protein Name	Synaptopodin-2
UniProt Gene Name	SYNPO2
UniProt Entry Name	SYNP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/synpo2-antibody-immunohistochemistry-western-blot-elisa/301767>